



LABORATORY REPORT

Prepared For: Brown & Caldwell Project: Florence Copper Billing to Curis

Direct

201 E. Washington St., Ste. 500 Phoenix, AZ 85004

Attention: Barbara Sylvester

Sampled: 06/07/11 Received: 06/07/11

Issued: 06/16/11 08:31

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID CLIENT ID MATRIX
PUF0410-01 M1-GL Water

SAMPLE RECEIPT: Samples were received intact, at 1°C, on ice and with chain of custody documentation.

HOLDING TIMES: Not all holding times were met. Results were qualified where the sample analysis did not occur within

method specified holding time requirements.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Tina Paulauskas Project Manager



4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602)

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DISSOLVED METALS

			Reporting	Sample	Dilution	Date	Date	Data		
Analyte	Method	Batch	Limit	Result	Factor	Extracted	Analyzed	Qualifiers		
Sample ID: PUF0410-01 (M1-GL - Water)										
Reporting Units: mg/l										
Magnesium	EPA 200.7	11F0453	0.25	21	1	6/13/2011	6/14/2011	H5		



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INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF0410-01 (M1-GL - Water)								
Reporting Units: mg/l								
Fluoride	EPA 300.0	11F0279	0.40	0.72	1	6/8/2011	6/9/2011	
Sulfate	EPA 300.0	11F0279	10.0	107	5	6/8/2011	6/9/2011	
Total Dissolved Solids	SM 2540C	11F0336	20	660	1	6/9/2011	6/9/2011	



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METHOD BLANK/QC DATA

Report Number: PUF0410

DISSOLVED METALS

		Reporting		Spike	Source		%REC		RPD	Data
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifiers
Batch: 11F0453 Extracted: 06/13/11										
Blank Analyzed: 06/14/2011 (11F0453-B	LK1)									
Magnesium	ND	0.25	mg/l							
Blank Analyzed: 06/14/2011 (11F0453-B	LK2)									
Magnesium	ND	0.25	mg/l							
LCS Analyzed: 06/14/2011 (11F0453-BS)	1)									
Magnesium	20.9	0.25	mg/l	21.0		99	85-115			
LCS Dup Analyzed: 06/14/2011 (11F045)	3-BSD1)									
Magnesium	21.2	0.25	mg/l	21.0		101	85-115	2	20	
Matrix Spike Analyzed: 06/14/2011 (11F	0453-MS1)				Source: P	UF0106-1	2			
Magnesium	26.4	0.25	mg/l	21.0	5.19	101	75-125			
Matrix Spike Dup Analyzed: 06/14/2011	(11F0453-M	SD1)			Source: P	UF0106-1	2			
Magnesium	26.6	0.25	mg/l	21.0	5.19	102	75-125	0.8	20	



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METHOD BLANK/QC DATA

INORGANICS

		Reporting		Spike	Source		%REC		RPD	Data		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifiers		
Batch: 11F0279 Extracted: 06/08/11												
Blank Analyzed: 06/08/2011 (11F0279-B	LK1)											
Fluoride	ND	0.40	mg/l									
Sulfate	ND	2.00	mg/l									
LCS Analyzed: 06/08/2011 (11F0279-BS	1)											
Fluoride	4.28	0.40	mg/l	4.00		107	90-110					
Sulfate	19.7	2.00	mg/l	20.0		99	90-110					
LCS Dup Analyzed: 06/08/2011 (11F027	9-BSD1)											
Fluoride	4.27	0.40	mg/l	4.00		107	90-110	0.4	20			
Sulfate	19.6	2.00	mg/l	20.0		98	90-110	0.5	15			
Matrix Spike Analyzed: 06/09/2011 (11F	0279-MS1)				Source: P	UF0429-0)2					
Fluoride	4.76	0.40	mg/l	4.00	0.400	109	80-120					
Sulfate	44.6	2.00	mg/l	20.0	24.0	103	80-120					
Matrix Spike Dup Analyzed: 06/09/2011	(11F0279-M	SD1)			Source: P	UF0429-0)2	ts RPD Limit Qualifi 0				
Fluoride	4.73	0.40	mg/l	4.00	0.400	108	80-120	0.6	20			
Sulfate	44.8	2.00	mg/l	20.0	24.0	104	80-120	0.3	15			
Batch: 11F0336 Extracted: 06/09/11												
Blank Analyzed: 06/09/2011 (11F0336-B	LK1)											
Total Dissolved Solids	ND	20	mg/l									
LCS Analyzed: 06/09/2011 (11F0336-BS	1)											
Total Dissolved Solids	986	20	mg/l	1000		99	80-115					

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		Reporting		Spike	Source		%REC		RPD	Data	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifiers	
Batch: 11F0336 Extracted: 06/09/11											
LCS Dup Analyzed: 06/09/2011 (11F033	6-BSD1)										
Total Dissolved Solids	988	20	mg/l	1000		99	80-115	0.2	10		
Duplicate Analyzed: 06/09/2011 (11F033	6-DUP1)			mg/l 1000 99 80-115 0.2 10 Source: PUF0302-01							
Total Dissolved Solids	2950	40	mg/l		3010			2	10		
Duplicate Analyzed: 06/09/2011 (11F033			Source: P	UF0420-0	1						
Total Dissolved Solids	344	20	mg/l		348			1	10		



4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

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DATA QUALIFIERS AND DEFINITIONS

H5 Field parameter with a holding time of 15 mintues.

Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified. ND

RPD Relative Percent Difference



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Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 200.7	Water		X
EPA 300.0	Water		X
SM 2540C	Water		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

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THE LEADER IN ENVIRONMENTAL TESTING TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
 Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
 Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Relinquished By:	Temquistac Sy.	Balinaniched Bu		Relinguished By:												1111-6	Sample Description	Sampler: Micho	Project Manager: Sylvester	201 E. Was	Krown and	Client Name / Addrass:	TAL-0013-550 (10/10)
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Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.